## IMPROVED MANGANESE DIOXIDE FOR ALKALINE CELLS

## ABSTRACT OF THE DISCLOSURE

Particulate  $MnO_2$ , having simultaneously a micropore surface area greater than  $8.0~m^2/g$ , desirably between about  $8.0~and~13~m^2/g$  and BET surface area of between about 20 and 31  $m^2/g$  within the context of an  $MnO_2$  having a total intraparticle porosity of between about  $0.035~cm^3/g$  and  $0.06~cm^3/g$  produces enhanced performance when employed as cathode active material in an electrochemical cell, particularly an alkaline cell. The average pore radius of the meso and macro pores within the  $MnO_2$  (mesomacro pore radius) is desirably greater than 32 Angstrom.